AIR TURQUOISE SA | PARA-TEST.COM

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



PH PARAGLIDER HARNESSES | IP IMPACT PAD

INSPECTION CERTIFICATE

Inspection certificate number: IP 197.2017

MANUFACTURER DATA

Manufacturer name: Supair

Contact person: Caroline Treppo

Street: 34, rue Adrastée

Post code / place: 74650 Chavanod

Country: France

SAMPLE DATA

Name: Strike X-Alp 2017

Size: M

Impact pad type: Bubble Bump

Pilot max load [kg]: 100

Harness type: ABS

Serial number: 2166-0413-MM-EI

Weight [kg]: 1.8

Sample reception date: 26/01/2017

Test date: 26/01/2017

ISSUE DATA

Place of declaration: Villeneuve

Date of issue: 01/06/2017

Director Management: Alain Zoller

Signature:

This signature aprouve the validity of the test reports PH BP

Air Turquoise SA, having thoroughly assessed the sample mentioned hereunder, declare it was found conform with all requirements defined by the following norms:

Airworthiness requirements for hang gliders and paragliders LTF 2009 as published in NfL 91/09 chapter 5 Paraglider harness protectors

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above.

This inspection report contain the following test and is complet with the test report PH BP

TESTS RESULTS SUMMARY

Shock impact tests is executed on these harnesses in order to prove the damping characteristics of it.

Test ID	TESTED?	Standard	TEST setup	Test configuration	Impact at 165 cm (Seat plate)			
					Peak [g] force	t duration g] (if any) ded: [ms]	duration] (if any) ed: [ms]	
		LTF			Max impact	Impact o at 38 [g] recorde	Impact at 20 [g records	
Р	~	5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature +20+25°C without rescue	37.57	0.00	20.59	POSITIVE
PR		5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature +20+25°C with rescue	0.00	0.00	0.00	n/a

Calculed value include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

IMPACT PAD SHOCK TEST

TEST REPORT PH iP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: IP_197.2017

MANUFACTURER DATA

Manufacturer name: Supair

Contact person: Caroline Treppo

Street: 34, rue Adrastée

Post code / place: 74650 Chavanod

Country: France

SAMPLE DATA

Name: Strike X-Alp 2017

Size: M

Max load [kg]: 10

Serial number: 2166-0413-MM-EI

Date of reception: 26/01/2017

ISSUE DATA

Place of inspection: Villeneuve

Inspector:

Date of inspection: 26/01/2017

Directive: LTF NFL II-91/09 chapter 5 Paraglider harness protectors

The following limits may not be exceeded during back protector test: Maximum peak 50g, Maximum 38g for a period of 7 milliseconds, Maximum 20g for a period of 25 milliseconds: All three criteria must be fulfilled.

Alain Zoller

TEST ATMOSPHERE AGL

[C°] 20.3 RH [%] 23 [hPa] 1024.3

TEST RESULTS	Impact in at a height of min 165 [cm] drop:			
BP test without rescue system	P1 (first test)	P2 (second test)	Max value	
Absolute maximum impact [g]	35.4	37.6	37.57	
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	0.00	
Impact duration at +20 [g] (if any): [ms]	20.55	20.59	20.59	
Uncertainty k=2 [%]	7.00	7.00		
Uncertainty k=2 [g]	2.48	2.63		
Repeat testing / max peak comparison [%]	100	106		
Test Result:	POSITIVE	POSITIVE		
BP with rescue system (if applicable)	PR1 (first test)	PR2 (second test)	Max value	
Absolute maximum impact [g]	0.0	0.0	0.00	
Absolute maximum impact [g] Impact duration at +38 [g] (if any): [ms]	0.0 0.00	0.0 0.00	0.00	
		The state of the s		
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	0.00	
Impact duration at +38 [g] (if any): [ms] Impact duration at +20 [g] (if any): [ms]	0.00	0.00	0.00	
Impact duration at +38 [g] (if any): [ms] Impact duration at +20 [g] (if any): [ms] Uncertainty k=2 [%]	0.00 0.00 7.00	0.00 0.00 7.00	0.00	
Impact duration at +38 [g] (if any): [ms] Impact duration at +20 [g] (if any): [ms] Uncertainty k=2 [%] Uncertainty k=2 [g]	0.00 0.00 7.00 0.00	0.00 0.00 7.00 0.00	0.00	

Calculed value include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

Instruments	Validity	Manufacturer	Type nr.	S/N
Accelero meter sensor 100 G	10/07/2016	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07/04/2017	JDC electronics	Geos nº 11	0022

IMPACT PAD SHOCK TEST

TEST REPORT PH iP

BP PARAGLIDERS HARNESS BACK PROTECTORS

